# Safety Data Sheet

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This product is defined as an article under REACH and does not require a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006 as amended for Great Britain. Since an SDS is not required, this document does not contain all of the information that is required for substance and mixture SDSs under REACH.

| | | | |
|---|---|---|---|
| **Document group:** | 16-2219-0 | **Version number:** | 12.01 |
| **Revision date:** | 31/05/2026 | **Supersedes date:** | 03/10/2025 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

3M™ Glass Bubbles HGS Series - HGS2000, HGS3000, HGS4000, HGS5000, HGS6000, HGS8000X, HGS10000, HGS18000, HGS4K28, HGS7K32, HGS19K46

**Product Identification Numbers**

| | | | | |
|---|---|---|---|---|
| 98-0212-2988-9 | 98-0213-2869-9 | FS-9100-4387-6 | FS-9100-4570-7 | FS-9100-5075-6 |
| FS-9100-5303-2 | FS-9100-5341-2 | UU-0090-3087-3 | | |
| 7100027913 | 7000033802 | 7000080191 | 7000033815 | 7000033831 |
| 7100053957 | 7000080339 | 7100139096 | | |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses**

Downhole Oil and Gas Applications, Industrial use.

### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
**Telephone:** +44 (0)1344 858 000
**E Mail:** ner-productstewardship@mmm.com
**Website:** www.3M.com/uk

### 1.4. Emergency telephone number

+44 (0)1344 858 000

## SECTION 2: Hazard identification

### 2.1. Classification of the substance or mixture

**The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain**

**CLASSIFICATION:**
This material is exempt from hazard classification according to Regulation (EC) No. 1272/2008, as amended for Great Britain, on classification, labelling, and packaging of substances and mixtures.

**2.2. Label elements**
**The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain**
Not applicable

**2.3. Other hazards**

None known.

## SECTION 3: Composition/information on ingredients

**3.1. Substances**
Not applicable

**3.2. Mixtures**

| Ingredient | Identifier(s) | % | Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB |
|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | (CAS-No.) 7631-86-9<br>(EC-No.) 231-545-4 | <= 3 | Substance with a national occupational exposure limit |
| sulphur dioxide | (CAS-No.) 7446-09-5<br>(EC-No.) 231-195-2 | <= 0.19 | Compressed gas, H280<br>Acute Tox. 3, H331<br>Skin Corr. 1B, H314<br>STOT SE 1, H370<br>Nota 5,U<br>Eye Dam. 1, H318 |
| Soda Lime Borosilicate Glass (non-fibrous) | (CAS-No.) 65997-17-3<br>(EC-No.) 266-046-0 | >= 97 | Substance with a national occupational exposure limit |

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation**
Remove person to fresh air. If you feel unwell, get medical attention.

**Skin contact**
Wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye contact**
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If swallowed**
Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
No critical symptoms or effects. See Section 11.1, information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

**5.1. Extinguishing media**
Material will not burn. Use a fire fighting agent suitable for the surrounding fire.

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**5.3. Advice for fire-fighters**
No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

**6.2. Environmental precautions**
Avoid release to the environment.

**6.3. Methods and material for containment and cleaning up**
Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting. Sweep up. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

**6.4. Reference to other sections**
Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
For industrial/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**7.2. Conditions for safe storage including any incompatibilities**
No special storage requirements.

**7.3. Specific end use(s)**

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limits**
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient | Identifier(s) | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| Dust, inhalable dust | 65997-17-3 | UK HSE | TWA(as respirable dust):4 mg/m3;TWA(as inhalable dust):10 mg/m3 | |
| sulphur dioxide | 7446-09-5 | UK HSE | TWA:1.3 mg/m3(0.5 ppm);STEL:2.7 mg/m3(1 ppm) | |
| Dust, inhalable dust | 7631-86-9 | UK HSE | TWA(as respirable dust):4 mg/m3;TWA(as inhalable dust):10 mg/m3 | |

UK HSE : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**Biological limit values**
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

### 8.2. Exposure controls

**8.2.1. Engineering controls**
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.

*Applicable Norms/Standards*
Use eye protection conforming to EN 16321

**Skin/hand protection**
No chemical protective gloves are required.

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

*Applicable Norms/Standards*
Use a respirator conforming to EN 140 or EN 136: filter type P

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **Physical state** | Solid. |
| **Specific Physical Form:** | Fine Powder < 100 microns |
| **Colour** | White |
| **Odor** | Odourless |
| **Odour threshold** | *Not applicable.* |
| **Melting point/freezing point** | *No data available.* |
| **Boiling point/boiling range** | *Not applicable.* |
| **Flammability** | Not applicable. |
| **Flammable Limits(LEL)** | *Not applicable.* |
| **Flammable Limits(UEL)** | *Not applicable.* |
| **Flash point** | *Not applicable.* |
| **Autoignition temperature** | *Not applicable.* |
| **Decomposition temperature** | *Not applicable.* |
| **pH** | *substance/mixture is non-soluble (in water)* |
| **Kinematic Viscosity** | *Not applicable.* |
| **Water solubility** | Negligible |
| **Solubility- non-water** | *Not applicable.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Vapour pressure** | *Not applicable.* |
| **Density** | 0.25 - 0.63 g/cm3 |
| **Relative density** | 0.25 - 0.63 [*Ref Std:*WATER=1] |
| **Relative Vapour Density** | *Not applicable.* |
| **Particle Characteristics** | *Not applicable.* |

**9.2. Other information**

**9.2.2 Other safety characteristics**

| | |
|---|---|
| **EU Volatile Organic Compounds** | *No data available.* |
| **Evaporation rate** | *Not applicable.* |
| **Molecular weight** | *No data available.* |
| **Percent volatile** | < 0.5 % weight |
| **Softening point** | >=600 ºC |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
This material is considered to be non reactive under normal use conditions

**10.2 Chemical stability**
Stable.

**10.3 Possibility of hazardous reactions**
Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**
None known.

**10.5 Incompatible materials**
None known.

**10.6 Hazardous decomposition products**

| Substance | Condition |
|---|---|
| Oxides of sulphur. | If Breakage Occurs |

## SECTION 11: Toxicological information

**The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.**

**11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.**

**Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation**
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Skin contact**
Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

**Eye contact**
Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion.

**Ingestion**
May be harmful if swallowed.

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Inhalation-Dust/Mist(4 hr) | | No data available; calculated ATE >12.5 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| Soda Lime Borosilicate Glass (non-fibrous) | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Soda Lime Borosilicate Glass (non-fibrous) | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Synthetic Amorphous Crystalline-Free Silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Synthetic Amorphous Crystalline-Free Silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Synthetic Amorphous Crystalline-Free Silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| sulphur dioxide | Inhalation-Gas (4 hours) | Rat | LC50 1,000 ppm |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name | Species | Value |
|---|---|---|
| Soda Lime Borosilicate Glass (non-fibrous) | Professional judgement | No significant irritation |
| Synthetic Amorphous Crystalline-Free Silica | Rabbit | No significant irritation |
| sulphur dioxide | official classification | Corrosive |

### Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---|---|
| Soda Lime Borosilicate Glass (non-fibrous) | Professional judgement | No significant irritation |
| Synthetic Amorphous Crystalline-Free Silica | Rabbit | No significant irritation |
| sulphur dioxide | Human and animal | Corrosive |

### Skin Sensitisation

| Name | Species | Value |
|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | Human and animal | Not classified |

### Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

### Germ Cell Mutagenicity

| Name | Route | Value |
|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | In Vitro | Not mutagenic |
| sulphur dioxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| sulphur dioxide | In vivo | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | Not specified. | Mouse | Some positive data exist, but the data are not sufficient for classification |
| sulphur dioxide | Inhalation | Human and animal | Some positive data exist, but the data are not sufficient for classification |

### Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Synthetic Amorphous Crystalline-Free Silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Synthetic Amorphous Crystalline-Free | Ingestion | Not classified for development | Rat | NOAEL | during |

| | | | | | |
|---|---|---|---|---|---|
| Silica | | | | 1,350 mg/kg/day | organogenesis |
| sulphur dioxide | Inhalation | Not classified for female reproduction | Mouse | NOAEL 30 ppm | 2 generation |
| sulphur dioxide | Inhalation | Not classified for male reproduction | Mouse | NOAEL 30 ppm | 2 generation |
| sulphur dioxide | Inhalation | Not classified for development | Human | NOAEL Not available | environmental exposure |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| sulphur dioxide | Inhalation | respiratory system | Causes damage to organs | Human | NOAEL 0.25 ppm | |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | Inhalation | respiratory system \| silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| sulphur dioxide | Inhalation | respiratory system | Not classified | Rat | LOAEL 10 ppm | 21 weeks |

**Aspiration Hazard**
For the component/components, either no data is currently available or the data is not sufficient for classification.

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

**11.2. Information on other hazards**

Not applicable.

## SECTION 12: Ecological information

**The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.**

**12.1. Toxicity**

No product test data available.

| Material | Identifier(s) | Organism | Type | Exposure | Test endpoint | Test result |
|---|---|---|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Green algae | Experimental | 72 hours | ErC50 | >173.1 mg/l |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Rainbow trout | Experimental | 96 hours | LC50 | >1,000 mg/l |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Sediment organism | Experimental | 96 hours | EC50 | 8,500 mg/kg (Dry Weight) |
| Synthetic Amorphous | 7631-86-9 | Water flea | Experimental | 48 hours | EL50 | >1,000 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| Crystalline-Free Silica | | | | | | |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Green algae | Experimental | 72 hours | NOEC | 173.1 mg/l |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Water flea | Experimental | 21 days | NOEC | 68 mg/l |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Activated sludge | Experimental | 3 hours | EC50 | >1,000 mg/l |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Redworm | Experimental | 56 days | NOEC | 100,000 mg/kg (Dry Weight) |
| sulphur dioxide | 7446-09-5 | Fathead minnow | Experimental | 96 hours | LC50 | 26.2 mg/l |
| sulphur dioxide | 7446-09-5 | Water flea | Experimental | 48 hours | EC50 | 1.94 mg/l |
| Soda Lime Borosilicate Glass (non-fibrous) | 65997-17-3 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |

### 12.2. Persistence and degradability

| Material | Identifier(s) | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| sulphur dioxide | 7446-09-5 | Estimated Photolysis | | Photolytic half-life (in air) | 6.4 hours (t 1/2) | |
| Soda Lime Borosilicate Glass (non-fibrous) | 65997-17-3 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |

### 12.3 : Bioaccumulative potential

| Material | Identifier(s) | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| sulphur dioxide | 7446-09-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Soda Lime Borosilicate Glass (non-fibrous) | 65997-17-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

### 12.4. Mobility in soil
No test data available.

### 12.5. Results of the PBT and vPvB assessment

Not applicable

### 12.6. Other adverse effects
No information available.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Contact your sales representative for information on reclaiming this product. Dispose of waste product in a permitted industrial waste facility. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**
101112 Waste glass other than those mentioned in 10 11 11

## SECTION 14: Transportation information

Not hazardous for transportation.

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|---|---|---|---|
| **14.1 - UN Number or ID number** | No data available. | No data available. | No data available. |
| **14.2 UN proper shipping name** | No data available. | No data available. | No data available. |
| **14.3 Transport hazard class(es)** | No data available. | No data available. | No data available. |
| **14.4 Packing group** | No data available. | No data available. | No data available. |
| **14.5 Environmental hazards** | No data available. | No data available. | No data available. |
| **14.6 Special precautions for user** | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| **14.7 Marine Transport in bulk according to IMO instruments** | No data available. | No data available. | No data available. |
| **Control Temperature** | No data available. | No data available. | No data available. |
| **Emergency Temperature** | No data available. | No data available. | No data available. |
| **ADR Classification Code** | No data available. | No data available. | No data available. |

| | | | |
|---|---|---|---|
| **IMDG Segregation Code** | No data available. | No data available. | No data available. |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Carcinogenicity**

| Ingredient | Identifier(s) | Classification | Regulation |
|---|---|---|---|
| sulphur dioxide | 7446-09-5 | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| Synthetic Amorphous Crystalline-Free Silica | 7631-86-9 | Gr. 3: Not classifiable | International Agency for Research on Cancer |

**Global inventory status**
Contact 3M for more information.

**COMAH Regulation, SI 2015/483**
Seveso hazard categories, Annex 1, Part 1
None

Seveso named dangerous substances, Annex 1, Part 2
None

**Regulation (EU) No 649/2012, as amended for GB**
No chemicals listed

**15.2. Chemical Safety Assessment**
Not applicable.

## SECTION 16: Other information

**List of relevant H statements**

| | |
|---|---|
| H280 | Contains gas under pressure; may explode if heated. |
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H331 | Toxic if inhaled. |
| H370 | Causes damage to organs. |

**List of Relevant Notas**

| | |
|---|---|
| Nota 5 | The concentration limits for gaseous mixtures are expressed as volume per volume percentage. |
| Nota U | When put on the market gases have to be classified as ‘Gases under pressure’, in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The |

| | |
|---|---|
| | following codes are assigned: Press. Gas (Comp.) Press. Gas (Liq.) Press. Gas (Ref. Liq.) Press. Gas (Diss.) Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Nota 2). |

**Revision information:**
EU Section 14 - Table Data information was added.
EU Section 14 - Table Headers information was added.
GBSDS Section 14 Transport in bulk - Main Heading information was deleted.
GBSDS Section 14 UN Number information was deleted.
Section 02: Label Elements: GB Percent Unknown information was deleted.
Section 3: Composition/ Information of ingredients table information was modified.
Section 3: ec clp remark information was deleted.
Section 8: Occupational exposure limit table information was modified.
Section 9: Vapour pressure value information was added.
Section 9: Vapour pressure value information was deleted.
Section 14 Classification Code – Main Heading information was deleted.
Section 14 Classification Code – Regulation Data information was deleted.
Section 14 Control Temperature – Main Heading information was deleted.
Section 14 Control Temperature – Regulation Data information was deleted.
Section 14 Emergency Temperature – Main Heading information was deleted.
Section 14 Emergency Temperature – Regulation Data information was deleted.
Section 14 Hazard Class + Sub Risk – Main Heading information was deleted.
Section 14 Hazard Class + Sub Risk – Regulation Data information was deleted.
Section 14 Other Dangerous Goods – Main Heading information was deleted.
Section 14 Other Dangerous Goods – Regulation Data information was deleted.
Section 14 Packing Group – Main Heading information was deleted.
Section 14 Packing Group – Regulation Data information was deleted.
Section 14 Proper Shipping Name information was deleted.
Section 14 Regulations – Main Headings information was deleted.
Section 14 Segregation – Regulation Data information was deleted.
Section 14 Segregation Code – Main Heading information was deleted.
Section 14 Special Precautions – Main Heading information was deleted.
Section 14 Special Precautions – Regulation Data information was deleted.
Section 14 Transport in bulk – Regulation Data information was deleted.
Section 14 UN Number Column data information was deleted.
Section 16: Two-column table displaying the unique list of Notas for all components of the given material. information was added.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

**3M SDSs for Great Britain are available at www.3M.com/uk**
For Northern Ireland documents, please contact your 3M representative to obtain a copy.